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## HALOGENATED SOLVENT CLEANER NESHAP – ANNUAL REPORT

Rec 3/28/03 ED/10

Company Name	Morgan Electro Ceramics
Mailing Address	232 Forbes Road Bedford, Ohio 44146
<b>Equipment Location Address</b>	Same as mailing address.
Ohio EPA Facility ID.	13-18-03-1627

SOLVENT MACHINE INFORMATION			
Ohio EPA ID	P019		
Description of source	Solvent vapor degreaser using perchloroethylene		
Make/Model	Finishing Equipment 6342		
Initial Startup date	January 1, 1990 🙀		
Type of Machine	Batch vapor . 2		
Solvent/Air Interface Area	4.38 (square ft)		
Machine Controls	Freeboard Ratio 1.00		
	Freeboard refrigeration device		
	Working-mode cover		
Method of Compliance	Alternative standard 40 CFR 63.464		
Overall Average Monthly	65.3 (lb. of solvent)		
Consumption			
3-Month Rolling Average 0.0(lb/month/sq. ft. surface area)			
Emission Estimates*	From: 07/01/02; To: 09/30/02		
3-Month Rolling Average	8.3 (lb/month/sq. ft. surface area)		
Emission Estimates*	From: 10/01/02; To: 12/31/02		

<sup>\*</sup> Calculation method and results are attached.

Person preparing report:	Hocevar William		J	
Terson brobarra-Basha	Last Name	First Name	Middle Initial	
Title:	Facility Enginee	Facility Engineering Manager		
Date prepared:	March 24, 2003			

# HALOGENATED SOLVENT CLEANER NESHAP – ANNUAL REPORT

### **FACILITY INFORMATION**

Company Name	Morgan Electro Ceramics		
Mailing Address	232 Forbes Road Bedford, Ohio 44146		
<b>Equipment Location Address</b>	Same as mailing address.		
Ohio EPA Facility ID.	13-18-03-1627		

# SOLVENT MACHINE INFORMATION

Ohio EPA ID	L001	
Description of source	Solvent vapor degreaser using perchloroethylene	
Initial Startup date	October 17, 1998	
Type of Machine	Batch vapor	
Solvent/Air Interface Area	9.79 (square ft)	
Machine Controls	Freeboard Ratio 1.00	
	Freeboard refrigeration device	
	Super-heated vapor	
	Working-mode cover	
Method of Compliance	Alternative standard 40 CFR 63.464	
Overall Average Monthly	187.78(lb. of solvent)	
Consumption		
3-Month Rolling Average	28.4 (lb/month/sq. ft. surface area)	
Emission Estimates*	From: 07/01/02; To: 09/30/02	
3-Month Rolling Average	23.9 (lb/month/sq. ft. surface area)	
Emission Estimates*	From: 10/01/02; To: 12/31/02	

<sup>\*</sup> Calculation method and results are attached.

Person preparing report:	Hocevar	William	<u>J.</u>	
1 organ propulsing - 1	Last Name	First Name	Middle Initial	
Title:	Facility Enginee	Engineering Manager		
Date prepared:	March 24, 2003	1		

		Electro Ceramics Equipment 6342 VPD-24	EPA Facility ID: 131803162  Ohio EPA I.D.: P019	
Month:		July		Year: 2002
Unit Information				
Tank Length (inside)		2.92	(feet)	
Tank Width (inside)		1.50	(feet)	
Tank Surface Area (s	.a.)	4.38	(feet) <sup>2</sup>	
Solvent Usage Infor	mation			Formulas / Notes
1 Type Solvent	Used	Perchloroethylene		
2 S.G. of Solver	nt	1.62		[From MSDS]
3 Solvent Densi	ty	13.51	(lb/gallon)	[From MSDS]
			_	
4 Solvent Added	đ	0.0	(gallon)	[From monthly log]
5 Waste Remov	ed	0.0	(gallon)	[From monthly log]
6 % Solvent in v	waste	99.9%	(%)	[From analytical report]
7 Solvent Remo	ved in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent I	Removed	0.0	(gallon)	[From monthly log]
9 Total Solvent	Removed	0.0	(gallon)	[7+8]
			-	
10 Total Solvent		0.0	(gallon)	[4+9]
11 Total Solvent	Emitted	0.0	(lbs)	[ 10 * 3 ]
<b>Monthly Emissions</b>				
Average Solvent			٦	
Emission Rate		0.0		[ 11 / (tank surface area) ]
Average Solvent			_ ft <sup>2</sup> s.a.)	
Allowable Rate		30.6	(lb/month/	From 40 CFR 63, Subpart T
			ft <sup>2</sup> s.a.)	
Note: If ave. solvent	emission rate	is < 30.6 lb/month/ft2	2, NO action i	s required.
If ave. solvent	emission rate	is > 30.6 lb/month/ft <sup>2</sup>	, Note in qua	rterly exceedance report.
Three Month Rollin	····		<u> </u>	
3 - Month Average				
Solvent Emission	Rate	18.5	] (lb/month/	[ Average of three previous
			ft <sup>2</sup> s.a.)	months solvent emission rates]

Unit 1	ity Name: Name: pany I.D.:	Finishing	Electro Ceramics Equipment 6342 VPD-24		EPA I.D.: 1318031627	
Mont	h:		August		Year: 2002	
Unit l	Information					
Tank	Length (inside	e)	2.92	(feet)		
Tank	Width (inside)	)	1.50	(feet)		
Tank	Surface Area (	(s.a.)	4.38	(feet) <sup>2</sup>		
Solve	nt Usage Info	rmation			Formulas / Notes	
1	Type Solven		Perchloroethylene			
2	S.G. of Solve	ent	1.62		[From MSDS]	
3	Solvent Dens	sity	13.51	(lb/gallon)	[From MSDS]	
4	Solvent Add	ed	25.0	(gallon)	[From monthly log]	
5	Waste Remo		25.0	(gallon)	[From monthly log]	
6	% Solvent in		99.9%	(%)	[From analytical report]	
7		noved in waste	25.0	(gallon)	[gal. Waste] * [% solvent]	
8	Pure Solvent		0.0	(gallon)	[From monthly log]	
9	Total Solven	t Removed	25.0	(gallon)	[7+8]	
10	Total Solven	at Emitted	0.0	(gallon)	[4+9]	
11	Total Solven		0.3	(lbs)	[10 * 3]	
Mont	thly Emission	S				
	age Solvent					
En	nission Rate		0.3	] (lh/month/	[ 11 / (tank surface area) ]	

**Note:** If ave. solvent emission rate is < 30.6 lb/month/ft2, NO action is required.

Average Solvent

Allowable Rate

If ave. solvent emission rate is > 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.

30.6

ft<sup>2</sup> s.a.)

ft<sup>2</sup> s.a.)

(lb/month/ From 40 CFR 63, Subpart T

Three Month Rolling Average

3 - Month Average
Solvent Emission Rate

18.5

(lb/month/ [Average of three previous months solvent emission rates]

Facility Name: Morgan Elect			lectro Ceramics	EPA Fa	cility ID: 1318031627
Unit N	lame:	Finishing	Equipment 6342		
Comp	any I.D.:		/PD-24	Ohio I	EPA I.D.: <i>P019</i>
				-	
Month	1:	Se	ptember		Year: 2002
	nformation			<b>1</b> .	
	Length (inside)		2.92	(feet)	
Tank V	Width (inside)		1.50	(feet)	
Tank S	Surface Area (s	.a.)	4.38	(feet) <sup>2</sup>	
<b>.</b>					
Solver	nt Usage Infor		•		Formulas / Notes
1	Type Solvent	Used	Perchloroethylene		
2	S.G. of Solver	nt	1.62		[From MSDS]
3	Solvent Densi	ty	13.51	(lb/gallon)	[From MSDS]
				_	
4	Solvent Added	d	0.0	(gallon)	[From monthly log]
5	Waste Remov	red	0.0	(gallon)	[From monthly log]
6	% Solvent in	waste	99.9%	(%)	[From analytical report]
7	Solvent Remo	ved in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent l	Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent	Removed	0.0	(gallon)	[7+8]
				<b></b>	
10	Total Solvent	Emitted	0.0	(gallon)	[4+9]
11	Total Solvent	Emitted	0.0	(lbs)	[10 * 3]
				<b>-1</b> ' '	
Mont	hly Emissions				
Avera	ge Solvent				
Em	nission Rate		0.0	(lb/month/	[ 11 / (tank surface area) ]
Avera	ge Solvent			ft <sup>2</sup> s.a.)	
	lowable Rate		30.6	(lb/month/	From 40 CFR 63, Subpart T
				ft <sup>2</sup> s.a.)	
Note:	If ave. solvent	t emission rate	is < 30.6 lb/month/ft	•	is required.
					rterly exceedance report.
Three	Month Rollin		15 - 50,0 10,111011111111	,1.000 222 1	
1 m cc	TATORIU IVIIII	is Average			
3 . M	onth Average				
	lvent Emission	Rate	0.0	(lb/month/	Average of three previous
301	ivem lainssiun	Rate	<b>V.</b> V		
				ft <sup>2</sup> s.a.)	months solvent emission rates]

Facility Name:	Morga	n Flactra Coramics	l EPAI	Facility ID: 1318031627	
Unit Name:		Morgan Electro Ceramics Finishing Equipment 6342		racinty 1D. 1310031027	
Company I.D.:			Ohio EPA I.D.: P019		
Month:		October		Year: 2002	
Unit Information	Ĺ				
Tank Length (insi	de)	2.92	(feet)		
Tank Width (insid	le)	1.50	(feet)		
Tank Surface Area	a (s.a.)	4.38	(feet) <sup>2</sup>		
Solvent Usage In	formation			Formulas / Notes	
1 Type Solvent	Used	Perchloroethylene			
2 S.G. of Solver	nt	1.62		[From MSDS]	
0.1		was part of the second	(11)	FE MATERIAL	

201A	ent Osage Information			FOR Indias / Ivotes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	8.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.9%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7+8]
10	Total Solvent Emitted	8.0	(gallon)	[4+9]
11	Total Solvent Emitted	108.1	(lbs)	[10 * 3]
<b>N</b> //	411. 5-2-2			
	nthly Emissions rage Solvent			
	Emission Rate	24.7	(lb/month/	[ 11 / (tank surface area) ]
		<b>24</b> */	,	[11 / (tank surface area)]
	rage Solvent		$ft^2$ s.a.)	
F	Allowable Rate	30.6	,	From 40 CFR 63, Subpart T
			ft <sup>2</sup> s.a.)	
	Note: If ave. solvent emiss			<del>-</del>
	If ave. solvent emission rate	e is $> 30.6$ lb/month/ft <sup>2</sup> , N	ote in quarter	ly exceedance report.
	ee Month Rolling Average			
3 - 1	Month Average			
	Solvent Emission Rate	8.3	lb/month/	[ Average of three previous
			ft <sup>2</sup> s.a.)	months solvent emission rates
				<del></del>

Facility Name: Unit Name: Company I.D.:		n Electro Ceramics ing Equipment 6342 VPD-24		Facility ID: 1318031627  DEPA I.D.: P019
Month:		November		Year: 2002
Unit Information				
Tank Length (insid	le)	2.92	(feet)	
Tank Width (inside	e)	1.50	(feet)	
Tank Surface Area	(s.a.)	4.38	(feet) <sup>2</sup>	
Solvent Usage Inf	ormation			Formulas / Notes
1 Type Solvent U	Jsed	Perchloroethylene		
2 S.G. of Solven	t	1.62		[From MSDS]
3 Solvent Densit	у	13.51	(lb/gallon)	[From MSDS]
4 Solvent Added		0.0	(gallon)	[From monthly log]
5 Waste Remove	ed	0.0	(gallon)	[From monthly log]
6 % Solvent in v	vaste	99.9%	(%)	[From analytical report]
7 Solvent Remov	ved in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
	Removed	0.0	(gallon)	[From monthly log]
8 Pure Solvent R		0.0	(gallon)	[7+8]
	Removed			1
8 Pure Solvent F		0.0	(gallon)	[4+9]

**Note:** If ave. solvent emission rate is < 30.6 lb/month/ft2, NO action is required.

0.0

30.6

Average Solvent

Average Solvent

**Emission Rate** 

Allowable Rate

If ave. solvent emission rate is > 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.

Three Month Rolling Average 3 - Month Average [ Average of three previous Solvent Emission Rate (lb/month/ 8.2 ft<sup>2</sup> s.a.)

(lb/month/ [ 11 / (tank surface area) ]

(lb/month/ From 40 CFR 63, Subpart T

months solvent emission rates]

ft<sup>2</sup> s.a.)

ft<sup>2</sup> s.a.)

Facility Name:		n Electro Ceramics	EPA I	Facility ID: 1318031627
Unit Name: Company I.D.:	Finishi	ng Equipment 6342 VPD-24	Ohio	EPA I.D.: P019
Month:		December		Year: 2002
Unit Information	n			
Tank Length (insi	ide)	2.92	(feet)	
Tank Width (insid	de)	1.50	(feet)	
Tank Surface Are	ea (s.a.)	4.38	[(feet) <sup>2</sup>	
Solvent Usage In	formation			Formulas / Notes
SOLLAWE CORES IT	iioi mation			Formulas / Notes
1 Type Solvent		Perchloroethylene	5	Formulas / Notes
<del></del>	Used	Perchloroethylene 1.62		[From MSDS]
1 Type Solvent	Used	•	(lb/gallon)	
<ul><li>1 Type Solvent</li><li>2 S.G. of Solve</li></ul>	Used ent ity	1.62	(lb/gallon)	[From MSDS]
<ol> <li>Type Solvent</li> <li>S.G. of Solve</li> <li>Solvent Dens</li> </ol>	Used ent ity	1.62 13.51	a	[From MSDS] [From MSDS]
<ol> <li>Type Solvent</li> <li>S.G. of Solve</li> <li>Solvent Dens</li> </ol>	Used ent ity ed ved	1.62 13.51 32.0	(gallon)	[From MSDS] [From MSDS]  [From monthly log] [From monthly log]
<ol> <li>Type Solvent</li> <li>S.G. of Solve</li> <li>Solvent Dens</li> <li>Solvent Adde</li> <li>Waste Remove</li> </ol>	Used ont ity ed waste	1.62 13.51 32.0 32.0	(gallon) (gallon)	[From MSDS] [From MSDS]  [From monthly log]
<ol> <li>Type Solvent</li> <li>S.G. of Solve</li> <li>Solvent Dens</li> <li>Solvent Adde</li> <li>Waste Remove</li> <li>% Solvent in</li> </ol>	Used ent et de de ved waste oved in waste	32.0 32.0 99.90%	(gallon) (gallon) (%)	[From MSDS] [From MSDS]  [From monthly log] [From monthly log] [From analytical report]
<ol> <li>Type Solvent</li> <li>S.G. of Solve</li> <li>Solvent Dens</li> <li>Solvent Adde</li> <li>Waste Remove</li> <li>Solvent in</li> <li>Solvent Remove</li> </ol>	Used ont ity ed waste oved in waste Removed	1.62 13.51 32.0 32.0 99.90% 32.0	(gallon) (gallon) (%) (gallon)	[From MSDS] [From MSDS]  [From monthly log] [From monthly log] [From analytical report] [gal. Waste] * [% solvent]
<ol> <li>Type Solvent</li> <li>S.G. of Solve</li> <li>Solvent Dens</li> <li>Solvent Adde</li> <li>Waste Remov</li> <li>Solvent in</li> <li>Solvent Remov</li> <li>Pure Solvent</li> </ol>	Used ont ity ed waste oved in waste Removed the Removed	1.62 13.51 32.0 32.0 99.90% 32.0 0.0	(gallon) (gallon) (%) (gallon) (gallon)	[From MSDS] [From MSDS]  [From monthly log] [From monthly log] [From analytical report] [gal. Waste] * [% solvent] [From monthly log]

(lb/month/ [ 11 / (tank surface area) ] **Emission Rate** 0.1 ft<sup>2</sup> s.a.) Average Solvent

ft<sup>2</sup> s.a.) **Note:** If ave. solvent emission rate is < 30.6 lb/month/ft2, NO action is required.

30.6

Average Solvent

Allowable Rate

If ave. solvent emission rate is > 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.

Three Month Rolling Average 3 - Month Average Solvent Emission Rate (lb/month/ Average of three previous 8.3 ft<sup>2</sup> s.a.)

(lb/month/ From 40 CFR 63, Subpart T

months solvent emission rates]

Facility Name:	Morgan El	ectro Ceramics slee MLR-280LE	EPA Fac	cility ID: 1318031627
Unit Name: Company I.D.:		PD-34	Ohio E	CPA I.D.: L001
Month:		July		Year: 2002
Unit Information Tank Length (inside Tank Width (inside Tank Surface Area	)	3.67 2.67 9.79	(feet) (feet) (feet) <sup>2</sup>	
Solvent Usage Info	rmation			Formulas / Notes
1 Type Solver 2 S.G. of Solv 3 Solvent Der	nt Used vent	Perchloroethylene 1.62 13.51	(lb/gallon)	[From MSDS] [From MSDS]
8 Pure Solver 9 Total Solver	oved n waste moved in waste nt Removed ent Removed	31.0 90.0 99.9 0.0 0.0 31.0 418.8	(gallon) (gallon) (%) (gallon) (gallon) (gallon) (gallon) (lbs)	[From monthly log] [From monthly log] [From analytical report] [gal. Waste] * [% solvent] [From monthly log] [7+8]  [4+9] [10*3]
Monthly Emissio				
Average Solvent	113		(3) / 4).	[ 11 / (tank surface area) ]
Emission Rate Average Solvent		42.8	$ft^2$ s.a.)	
Allowable Rat	e	30.6	lb/month ft <sup>2</sup> s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solv	vent emission rate	e is < 30.6 lb/month/	ft2, NO action	n is required.
If ave. solv	vent emission rate	e is > 30.6 lb/month	′ft², Note in qu	uarterly exceedance report.
Three Month Ro				
3 - Month Averag Solvent Emiss		23.0	(lb/month	

Facility Name: Unit Name: Company I.D.:	Baron Blak	Electro Ceramics eslee MLR-280LE /PD-34		eility ID: 1318031627 EPA I.D.: L001
Month:	2	August		Year: 2002
Unit Information			_	
Tank Length (inside)		3.67	(feet)	
Tank Width (inside)		2.67	(feet)	
Tank Surface Area (s.	.a.)	9.79	(feet) <sup>2</sup>	
Solvent Usage Infor	mation			Formulas / Notes
1 Type Solvent	Used	Perchloroethylene		
2 S.G. of Solver	nt	1.62		[From MSDS]
3 Solvent Densi	ty	13.51	(lb/gallon)	[From MSDS]
			T	
4 Solvent Added		14.0	(gallon)	[From monthly log]
5 Waste Remov		0.0	(gallon)	[From monthly log]
6 % Solvent in v		99.9%	(%)	[From analytical report]
7 Solvent Remo		0.0	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent I		0.0	(gallon)	[From monthly log]
9 Total Solvent	Removed	0.0	(gallon)	[7+8]
	nome to the		7 n	[ ( + 0 ]
10 Total Solvent		14.0	(gallon)	$\begin{bmatrix} 4+9 \end{bmatrix}$
11 Total Solvent	Emitted	189.2	](lbs)	[ 10 * 3 ]
Monthly Emissions			0.000	
Average Solvent				
Emission Rate		19.3	(lb/month/	[ 11 / (tank surface area) ]
Average Solvent			ft <sup>2</sup> s.a.)	
Allowable Rate		30.6	(lb/month/	From 40 CFR 63, Subpart T
			ft <sup>2</sup> s.a.)	
Note: If ave. solvent	emission rate	is < 30.6 lb/month/ft	2, NO action	is required.
If ave. solvent	t emission rate	is > 30.6 lb/month/ft	<sup>2</sup> , Note in qua	rterly exceedance report.
Three Month Rollin			<u> </u>	
3 - Month Average				
Solvent Emission	Rate	27.6	lb/month/	[ Average of three previous
		<u> </u>	$ft^2$ s.a.)	months solvent emission rates

acility Name: nit Name: company I.D.:	Baron Blake	lectro Ceramics eslee MLR-280LE PD-34	EPA Fac	PA I.D.: 1318031627
Ionth:	Se	ptember		Year: 2002
Jnit Informatic	n		<b>-</b> 1	
ank Length (in	side)	3.67	(feet)	
ank Width (ins	ide)	2.67 rr	(feet)	
Tank Surface Ar	rea (s.a.)	9.79	(feet) <sup>2</sup>	
Solvent Usage I	nformation			Formulas / Notes
	vent Used	Perchloroethylene		
2 S.G. of S		1.62		[From MSDS]
3 Solvent		13,51	(lb/gallon)	[From MSDS]
4 Solvent.	A dded	16.7	(gallon)	[From monthly log]
***		0.0	(gallon)	[From monthly log]
•	nt in waste	99.9%	(%)	[From analytical report]
	Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
, := -	vent Removed	0.0	(gallon)	[From monthly log]
<del>-</del>	lvent Removed	0.0	(gallon)	[7+8]
m / 1.0	1 Emitted	16.7	(gallon)	[4+9]
	olvent Emitted  olvent Emitted	225.6	(lbs)	[10 * 3]
11 Total Sc	TVEIL LIMITEG			
<b>Monthly Emis</b>	sions			
Average Solve			(1) /m on th	[ 11 / (tank surface area) ]
Emission R	ate	23.1		[11] (tank sarrace area)
Average Solve	nt		$ft^2 \text{ s.a.})$	From 40 CFR 63, Subpart T
Allowable I	Rate	30.6		T FIUII 40 CFR 03, Support
			ft <sup>2</sup> s.a.)	in required
Note: If ave. s	solvent emission rat	e is < 30.6 lb/month	/ft2, NO action	arterly exceedance report.

28.4

(lb/month/ Average of three previous

months solvent emission rates]

ft<sup>2</sup> s.a.)

Three Month Rolling Average

Solvent Emission Rate

3 - Month Average

acility Name: Morg Unit Name: Baron Company I.D.:	an Electro Ceramics Blakeslee MLR-280LE VPD-34		acility ID: 1318031627  EPA I.D.: L001
Month:	October		Year: 2002
Unit Information	3.67 2.67 <b>9.79</b>	(feet) (feet) (feet) <sup>2</sup>	
Solvent Usage Information	Perchloroethylene		Formulas / Notes
<ol> <li>Type Solvent Used</li> <li>S.G. of Solvent</li> <li>Solvent Density</li> </ol>	1.62 13.51	(lb/gallon)	[From MSDS] [From MSDS]
<ul> <li>4 Solvent Added</li> <li>5 Waste Removed</li> <li>6 % Solvent in waste</li> <li>7 Solvent Removed in was</li> <li>8 Pure Solvent Removed</li> <li>9 Total Solvent Removed</li> </ul>	### ##################################	(gallon) (gallon) (%) (gallon) (gallon) (gallon)	[From monthly log] [From monthly log] [From analytical report] [gal. Waste] * [% solvent] [From monthly log] [7+8]
	15.0	(gallon)	[4+9]

**Monthly Emissions** 

Average Solvent

**Emission Rate** 

Average Solvent Allowable Rate 20.8

30.6

ft<sup>2</sup> s.a.)

(lb/month/ [11 / (tank surface area)]

(lb/month/ From 40 CFR 63, Subpart T

ft<sup>2</sup> s.a.) **Note:** If ave. solvent emission rate is < 30.6 lb/month/ft2, NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.

if ave. solvent enhasion is	ate is some		
Three Month Rolling Avera	ge		
3 - Month Average Solvent Emission Rate	21.0	(lb/month/ ft <sup>2</sup> s.a.)	[ Average of three previous months solvent emission rates]

Facility Name: Unit Name: Company I.D.:		i Electro Ceramics akeslee MLR-280LE VPD-34		EPA I.D.: 1318031627
Month:		November		Year: 2002
Unit Information Fank Length (insi Fank Width (insident Fank Surface Are	de) le)	3.67 2.67 <b>9.79</b>	(feet) (feet) (feet) <sup>2</sup>	
Solvent Usage In	formation			Formulas / Notes
8 Pure Solvent	nt ity  ed wed waste oved in waste Removed	Perchloroethylene	(lb/gallon) (gallon) (gallon) (gallon) (gallon) (gallon) (gallon)	[From MSDS] [From MSDS]  [From monthly log] [From monthly log]  [From analytical report]  [gal. Waste] * [% solvent]  [From monthly log]  [7 + 8]
<ul><li>9 Total Solven</li><li>10 Total Solven</li><li>11 Total Solven</li></ul>	t Emitted	18.0 243.2	(gallon) (lbs)	[4+9] [10 * 3]

Average Solvent (lb/month/ From 40 CFR 63, Subpart T 30.6 Allowable Rate ft<sup>2</sup> s.a.)

Average Solvent

**Emission Rate** 

**Note:** If ave. solvent emission rate is < 30.6 lb/month/ft2, NO action is required.

24.8

If ave. solvent emission rate is  $\geq 30.6$  lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.

Three Month Rolling Average 3 - Month Average (lb/month/ Average of three previous Solvent Emission Rate 22.9 months solvent emission rates] ft<sup>2</sup> s.a.)

(lb/month/

ft<sup>2</sup> s.a.)

[ 11 / (tank surface area) ]

ompany I.D.:			EPA I.D.: L001
	December		Year: 2002
nit Information		<del></del>	
ank Length (inside)	3.67	(feet)	
ank Width (inside)	2.67	(feet)	
ank Surface Area (s.a.)	9.79	(feet) <sup>2</sup>	
olvent Usage Information			Formulas / Notes
m C 1 I I and	Perchloroethylene		
0 0 CO 1	1.62		[From MSDS]
2 S.G. of Solvent 3 Solvent Density	13.51	(lb/gallon)	[From MSDS]
	19.0	(gallon)	[From monthly log]
4 Solvent Added	0.0	(gallon)	[From monthly log]
5 Waste Removed		(%)	[From analytical report]
6 % Solvent in waste	ste 0.0	(gallon)	[gal. Waste] * [% solvent]
7 Solvent Removed in wa	0.0	(gallon)	[From monthly log]
8 Pure Solvent Removed		(gallon)	[7+8]
9 Total Solvent Removed		<u> </u>	
10 Total Solvent Emitted	19.0	(gallon)	[4+9]
m . 10.1 . Desitted	256.7	(lbs)	[10 * 3]
11 Total Solvent Emitted			
Monthly Emissions			
Average Solvent			2
Emission Rate	26.2	(lb/month	[ 11 / (tank surface area) ]
Average Solvent		$\mathbf{ft}^2$ s.a.)	
Allowable Rate	30.6	(lb/month	From 40 CFR 63, Subpart T
Allowable face		$ft^2 \text{ s.a.}$	
Note: If ove solvente	mission rate is < 30.6 lb/m	onth/ft2, NO a	ction is required.
To	n rate is $> 30.6$ lb/month/ft	<sup>2</sup> . Note in quart	erly exceedance report.

Three Month Rolling Average

3 - Month Average
Solvent Emission Rate

23.9

(lb/month/
ft² s.a.) [Average of three previous months solvent emission rates]

Jnit N	ame: Baron Bla	Electro Ceramics keslee MLR-216 /PD-6B	li	cility ID: 1318031627  CPA I.D.: P009
Month	:	July	]	Year: 2002
U <b>nit I</b> 1	nformation		7	
Гank I	Length (inside)	3.50	(feet)	
	Width (inside)	1.33	(feet)	
Tank S	Surface Area (s.a.)	4.67	(feet) <sup>2</sup>	
Solver	nt Usage Information			Formulas / Notes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	37.0	(gallon)	[From monthly log]
5	Waste Removed	32.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.9%	(%)	[From analytical report]
7	Solvent Removed in waste	32.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	32.0	(gallon)	[7+8]
		5.0	(gallon)	[4+9]
10	Total Solvent Emitted	68.0	(lbs)	[10 * 3]
11	Total Solvent Emitted	00.0	(10 <i>5)</i>	
Mont	hly Emissions			
Avera	nge Solvent		88	
Er	nission Rate	14.6	<u></u> `	[11 / (tank surface area)]
Avera	age Solvent		$ft^2 s.a.)$	
1	llowable Rate	30.6	(lb/month	From 40 CFR 63, Subpart T

**Note:** If ave. solvent emission rate is < 30.6 lb/month/ft2, NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.

ft<sup>2</sup> s.a.)

Three Month Rolling Average

3 - Month Average
Solvent Emission Rate

14.5

(lb/month/
ft² s.a.)

months solvent emission rates]

Unit N	ty Name: Name: nany I.D.:	Baron Bla	lectro Ceramics keslee MLR-216 PD-6B		cility ID: 1318031627  EPA I.D.: P009
Comp Montl	•		lugust		Year: 2002
Unit I	nformation		_	_	
Tank l	Length (inside)	)	3.50	(feet)	
Tank '	Width (inside)		1.33	(feet)	
Tank	Surface Area (s	s.a.)	4.67	(feet) <sup>2</sup>	
Solve	nt Usage Info	rmation			Formulas / Notes
	<u> </u>				
1	Type Solvent	Used	Perchloroethylene		
1 2	Type Solvent S.G. of Solve		Perchloroethylene 1.62		[From MSDS]
		ent		(lb/gallon)	[From MSDS] [From MSDS]
2 3	S.G. of Solve Solvent Dens	ent ity	1.62	(lb/gallon)	
2 3 4	S.G. of Solve Solvent Dens Solvent Adde	ent ity ed	1.62 13.51		[From MSDS]
2 3 4 5	S.G. of Solve Solvent Dens Solvent Adde Waste Remo	ent ity ed ved	1.62 13.51 7.0	(gallon)	[From MSDS] [From monthly log]
2 3 4	S.G. of Solve Solvent Dens Solvent Adde Waste Remo	ent ity ed ved waste	1.62 13.51 7.0 0.0	(gallon) (gallon)	[From MSDS]  [From monthly log]  [From monthly log]
2 3 4 5 6	S.G. of Solve Solvent Dens Solvent Adde Waste Remo % Solvent in Solvent Rem	ent ity ed ved waste oved in waste	7.0 0.0 99.9%	(gallon) (gallon) (%)	[From MSDS]  [From monthly log]  [From monthly log]  [From analytical report]
2 3 4 5 6 7	S.G. of Solve Solvent Dens Solvent Adde Waste Remo	ent ity ed ved waste oved in waste Removed	7.0 0.0 99.9%	(gallon) (gallon) (%) (gallon)	[From MSDS]  [From monthly log]  [From monthly log]  [From analytical report]  [gal. Waste] * [% solvent]
2 3 4 5 6 7 8	S.G. of Solve Solvent Dens Solvent Adde Waste Remo % Solvent in Solvent Rem Pure Solvent	ent ity ed wed waste oved in waste Removed t Removed	7.0 0.0 99.9% 0.0 0.0	(gallon) (gallon) (%) (gallon) (gallon)	[From MSDS]  [From monthly log]  [From monthly log]  [From analytical report]  [gal. Waste] * [% solvent]  [From monthly log]

Average Solvent **Emission Rate** 

20.3

(lb/month/ [ 11 / (tank surface area) ]

Average Solvent Allowable Rate

30.6

ft<sup>2</sup> s.a.)

ft<sup>2</sup> s.a.)

(lb/month/ From 40 CFR 63, Subpart T

**Note:** If ave. solvent emission rate is < 30.6 lb/month/ft2, NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft<sup>2</sup>, Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent Emission Rate

17.4

(lb/month/ [ Average of three previous

ft<sup>2</sup> s.a.)

months solvent emission rates]